

Title (en)  
POLYOL COMPOSITION USING GLUCOSE-CONTAINING SACCHARIDE COMPOSITION, AND POLYURETHANE FOAM INCLUDING SAME

Title (de)  
POLYOLZUSAMMENSETZUNG MIT GLUCOSEHALTIGER SACCHARIDZUSAMMENSETZUNG UND POLYURETHANSCHAUM DAMIT

Title (fr)  
COMPOSITION DE POLYOLS UTILISANT UNE COMPOSITION DE SACCHARIDES CONTENANT DU GLUCOSE ET MOUSSE DE POLYURÉTHANE LA COMPRENANT

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Application  
**EP 21837075 A 20210705**

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Abstract (en)  
The present invention pertains to: a polyol composition containing a polysaccharide alcohol, a polysaccharide alcohol-derived anhydrosugar alcohol, and an anhydrosugar alcohol polymer; and a polyurethane foam including same. More specifically, the present invention pertains to: a polyol composition containing a) a monoanhydrosugar alcohol, b) a dianhydrosugar alcohol, c) a polysaccharide alcohol, d) a polysaccharide alcohol-derived anhydrosugar alcohol, and e) at least one polymer of a) to d), wherein physical properties such as the number average molecular weight (Mn), polydispersity index (PDI), and average number of OH groups per molecule of the polyol composition satisfy certain levels, the polyol composition can contribute to the improvement of physical properties such as strength, elongation, and thermal insulation when used as a raw material for polyurethane, etc., using a hydrogenated sugar composition obtained from a saccharide mixture containing glucose and polysaccharides (disaccharides or higher saccharides) improves productivity, and costs can be reduced compared to the case of using conventional high-purity hydrogenated sugar; and a polyurethane foam including same.

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